

saving, and profit. We left from 50 to 90 buds on each vine; but this season my crop has proved a failure. I was attributing the failure to the system."

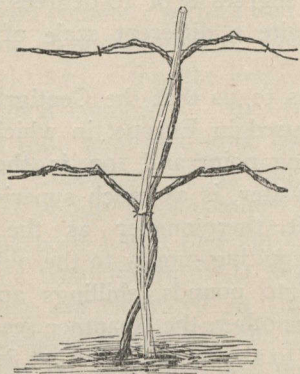


FIG. 2725. THE KNIFFEN SYSTEM.

The Kniffen system is a very simple one, and may be easily understood from the accompanying cuts. Instead of two arms on the bottom wire, as in the Renewal system, four arms are trained out horizontally, the lowest about three feet from the ground, and the higher about five or six feet. From these the young wood is allowed to hang, and of course little or no tying up is required. About one dozen buds on each arm will give as much fruit as the vine should produce.

One objection to this method is that the upper arms usually become stronger and seem to take near all the vigor, so that the lower ones give little fruit. This may be overcome in part by starting two uprights from the ground, one to furnish the arms on

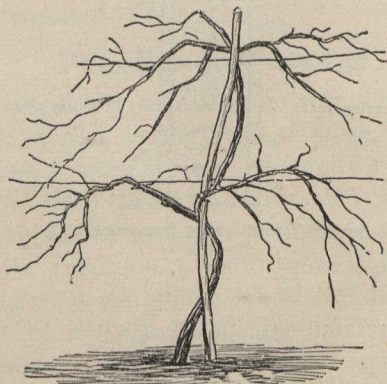


FIG. 2726. THE KNIFFEN SYSTEM.

the first wire, the other those on the second.

Many growers renew the whole arm each season, back to the upright, taking in its place the strongest branch, so that one or two cuts accomplish the work of much spurring.

The yield from Kniffen vines of strong growing varieties should be quite as large as from any other method. Concords should yield twenty to thirty pounds per vine on the average, but the Kniffen method is not well adapted to weak growing vines, such as the Wilder or Delaware.

For Canadian farmers, who have little time to spend in their vineyards, this system is very well; but for the gardener, or the vineyardist who has some time to devote to the work, the renewal system is no doubt the ideal thing; or for strong growers, like Concord, that American modification of it known as the Fuller system.

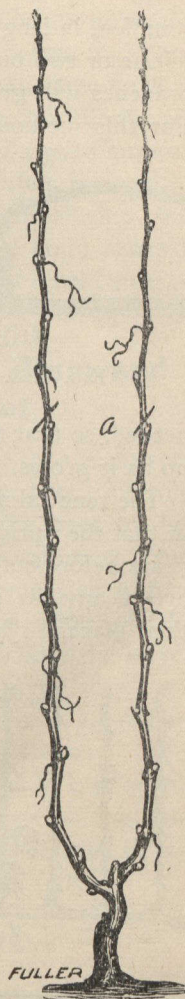


FIG 61

FIG. 2727. THE FULLER SYSTEM.

The Fuller System

This method is so well illustrated by the engravings that we scarcely need to describe it. The first year a single upright cane is allowed to grow; in the spring of the second year this is cut at about one foot from the ground and only two canes permitted to grow; and the third year these two canes are tied to the bottom wire and stopped at about